

IN THE CLAIMS

Sub 1

Sub 2

1. (Original) A method for designing a control of a complete process which comprises a number of individual processes, said method comprising the steps of:
 - a) identifying functionalities of said individual processes;
 - b) performing a validation by automatically verifying an interplay of said functionalities in accordance with an input to said complete process, while not impeding each individual process during an operation, producing a validation result; and
 - c) determining data for controlling said complete process from said validation result.
2. (Original) The method as claimed in claim 1, further comprising the step of performing a sequence optimization.
3. (Original) The method as claimed in claim 1, further comprising the step of producing data for said control in an executable code form.
4. (Amended) The method as claimed in claim 1, further comprising the step of controlling individual ~~affected~~ processes by a software unit which is one of said functionalities of said individual processes.

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5. (Original) The method as claimed in claim 1, wherein one or more of said individual processes may be an impeding process, an impeding process being defined as such if one of the following conditions is met:

- a) an individual process is blocked by another individual process; and
- b) an individual process reaches an unauthorized state or a state endangering operation of said complete system.

6. (Original) The method as claimed in claim 1, further comprising the steps of: designing an automatic placement machine; and controlling individual processes of said machine.

7. (Original) The method as claimed in claim 1, further comprising the step of controlling a technical installation with data determined for controlling said complete process.

8. (Original) An arrangement for designing the control of a complete process, comprising:

a number of individual processes; and

a processor unit configured to provide:

- a) identification of functionalities of said individual processes;
- b) a validation, by automatically verifying an interplay of functionalities in accordance with an input to said complete process, in a manner such that each of said individual processes is not impeded during an operation; and

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c) data from a result of said validation that is used for controlling said complete process.
